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(71) Applicant (for all designated States except US):
CHROMA THERAPEUTICS LIMITED [GB/GB];
92 Milton Park, Abingdon, Oxon OX14 4RY (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAWDEN, Lindsay**,
Jane [GB/GB]; Chroma Therapeutics Limited, 92 Milton
Park, Abingdon, Oxon OX14 4RY (GB). **BONE, Eliza-**
beth, Ann [GB/GB]; Chroma Therapeutics Limited, 92
Milton Park, Abingdon, Oxon OX14 4RY (GB). **DRUM-**
MOND, Alan, Hastings [GB/GB]; Chroma Therapeutics

Limited, 92 Milton Park, Abingdon, Oxon OX14 4RY
(GB). **NEEDHAM, Lindsey, Ann** [GB/GB]; Chroma
Therapeutics Limited, 92 Milton Park, Abingdon, Oxon
OX14 4RY (GB).

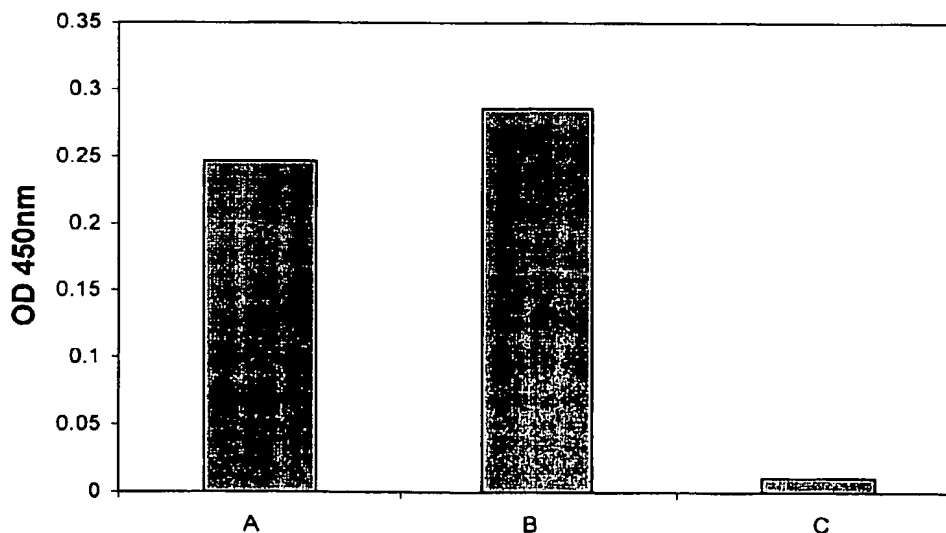
(74) Agents: **SUTCLIFFE, Nicholas** et al.; Mewburn Ellis
LLP, York House, 23 Kingsway, London, Greater London
WC2B 6HP (GB).

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(54) Title: DETECTION OF HISTONE MODIFICATION IN CELL-FREE NUCLEOSOMES



(57) Abstract: This invention relates to the diagnosis of disease conditions, such as cancer and autoimmune disease, by the analysis of cell-free nucleosomes in samples from individuals. Methods of the invention may include contacting cell-free nucleosomes from a biological fluid sample obtained from the individual with an antibody that binds specifically with a modified histone protein. Binding of the antibody to the nucleosomes is indicative that the individual has the disease condition.

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